

**METHOD AND SYSTEM FOR IMMERSION LITHOGRAPHY
USING HIGH PH IMMERSION FLUID**

ABSTRACT

[0028] A method and system is disclosed for conducting immersion photolithography. The system includes at least one lens for transmitting a predetermined radiation on a predetermined product substrate, and a fluid volume in contact with the lens on its first end and with the product substrate on its second end, wherein the fluid volume has a molar concentration of hydroxyl ions more than 10^{-7} mole per liter.